Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/12/2020 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124475	-1	2.52	124523	2.50
Blue	F	SSC	125000	125026	0	1.59	125843	1.61
Blue	E	FITC	15892	15366	-4	2.72	334	20.16
Blue	D	PE	29999	29616	-2	1.86	647	14.42
Blue	B	PerCP-Cy5-5	43732	43131	-2	3.64	1159	20.62
Blue	A	PE-Cy7	30845	30534	-2	6.04	586	40.40
Red	C	APC	46112	45789	-1	2.48	1614	12.36
Red	A	APC-Cy7	30458	29670	-3	2.36	789	12.21
Violet	B	V450	7918	7542	-5	4.51	419	13.00
Violet	A	V500	32171	30658	-5	4.19	712	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17470	14.33	618	-3	N/A	N/A	Pass
Blue	F	SSC	56928	1.13	560	1	N/A	N/A	Pass
Blue	E	FITC	61	63.54	541	-2	0.0197	113	Pass
Blue	D	PE	136	49.42	548	0	0.1782	306	Pass
Blue	B	PerCP-Cy5-5	213	48.74	656	0	0.0086	5	Pass
Blue	A	PE-Cy7	108	102.18	699	1	0.0112	22	Pass
Red	C	APC	383	26.00	589	5	0.0235	162	Pass
Red	A	APC-Cy7	173	28.24	560	4	0.0051	468	Pass
Violet	B	V450	63	60.23	459	1	0.0577	2273	Pass
Violet	A	V500	106	33.25	475	1	0.0226	634	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.73	-32.24	0.99
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	15.31	13.60 - 20.40	N/A	N/A	29.75	30.24	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10226

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments